

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1 (currently amended). A system for the distribution to a condominium and/or community environment of a plurality of analog and digital signals being transmitted according to different standards, said digital signal being distributed together other information signals, comprising

means (1,4,14',19) for receiving said analog and digital signals,

means (13, 14, 20) for converting the frequency frequencies conversion of said digital signals, including means for demodulating said digital signals having different transmission standards and means for remodulating said demodulated digital signals with a sole type of digital modulation,

means (3) for mixing all said information analog signals and said remodulated digital signals on a distribution network (9),

feeding a plurality of signal sockets (9) operatively connected to said means for mixing for receiving said mixed analog and digital signals, and

connected to a plurality of receivers (18) each of which is connected to a respective one of said signal sockets, among which at least a part is intended to receive thefor receiving, at least, said remodulated digital signals,

~~wherein the means (13, 14, 20) for the frequency conversion of said digital signals comprises means for demodulating digital signals having different transmission standards and means for remodulating said digital signals with a sole type of digital modulation (QAM), providing the digital signals with said sole type of modulation (QAM) to the means (3) for mixing said information signals on the distribution network (8), and that the said receivers (18) intended to receive the digital signals are fit to decode such being adapted for decoding said sole type of modulation (QAM).~~

2 (currently amended). A system for the distribution to a condominium and/or community environment, according to claim 1, wherein the ~~such sole type of modulation (QAM)~~ is Quadrature Amplitude Modulation ~~(QAM)~~.

3 (currently amended). A system for the distribution to a condominium and/or community environment, according to claim 1, wherein the means ~~(13, 14, 20) for the frequency conversion of said digital signals~~ converting are means ~~(13, 14, 20) for frequency converting~~ convert one or more of the ~~received reserved digital~~ remodulated signals in ~~reserved frequency portions (S1),~~ erto personal channels, in a frequency of the band, said personal channels (S1) being reserved to the corresponding one of the predetermined signal sockets (9), and forbidden to the remaining sockets (9), and through comprising a plurality of filtering means (15, 16) for allowing access by only one of said signal sockets to a corresponding one of said personal channels, and (S1) of the band

~~only to the corresponding signal sockets (9), said means (13, 14, 20) for frequency converting one or more of the received digital signals in personal channels (61) of the band being commanded through respective user control means (11, 17, 18, 40, 51) for determining which of the remodulated signals is included in said channel.~~

4 (currently amended). A system for the distribution to a condominium and/or community environment, according to claim 1, wherein the distribution network ~~(8) of the information signals comprises a distribution support (8) realized by means of a coaxial cable.~~

5 (currently amended). A system for the distribution to a condominium and/or community environment, according to claim 1, wherein the distribution network ~~(8) for the distribution of said information signals comprises~~ MMDS and/or LMDS networks.

6 (currently amended). A system for the distribution to a condominium and/or community environment, according to claim 1, wherein each of said personal channels is 8 MHz wide.

7 (currently amended). A system for the distribution to a condominium and/or community environment, according to claim 1, wherein said personal channels are ~~is~~ contained in a frequency band ~~being comprised between 47 to 862 MHz.~~

8 (currently amended). A system for the distribution to a condominium and/or community environment, according to claim 7, wherein said frequency band ranges ~~preferably~~ from 230 to 445 MHz.

9 (currently amended). A system for the distribution to a condominium and/or community environment, according to claim 3, wherein the means—(15, 16) for allowing access to said personal channels—(81) comprises means—(15, 16) for filtering the personal channel, ~~that are~~ located upstream the signal socket—(9).

10 (currently amended). A system for the distribution to a condominium and/or community environment, according to claim 3, wherein said filtering means—(15, 16) comprises a band-stop filter (15), ~~apt adapted~~ to eliminate the reception of the personal channels, by a receiver—(18) through the signal socket—(9).

11 (currently amended). A system for the distribution to a condominium and/or community environment, according to claim 10, wherein at least one of said filtering means—(15, 16) further comprises, ~~in correspondence of a predetermined signal socket—(9),~~ a channel-pass filter—(16) ~~is arranged in parallel to said band-stop filter—(15), which is apt to for~~ let enabling the personal channel to pass through to the single user.

12 (currently amended). A system for the distribution to a condominium and/or community environment, according to claim 1, wherein the selection of the digital remodulated signal to be converted in said personal channel is performed ~~by~~ through a return-channel.

13 (previously presented). A system for the distribution to a condominium and/or community environment, according to claim 12, wherein said return-channel is FSK modulated.

14 (previously presented). A system for the distribution to a condominium and/or community environment, according to claim 12, wherein said return-channel is PSK modulated.

15 (previously presented). A system for the distribution to a condominium and/or community environment, according to claim 12, wherein said return-channel is QPSK modulated.

16 (previously presented). A system for the distribution to a condominium and/or community environment, according to claim 12, wherein said return channel is QAM modulated.

17 (previously presented). A system for the distribution to a condominium and/or community environment, according to claim 12, wherein said return channel is bi-directional under TDMA procedure.

18 (currently amended). A system for the distribution to a condominium and/or community environment, according to claim 12, wherein said return channel has a band width of 128 KHz or a multiples of it thereof.

19 (currently amended). A system for the distribution to a condominium and/or community environment, according to claim 12, wherein said return channel ~~is comprised~~ has a band of frequencies between 41 and 46.5 MHz.

20 (currently amended). A system for the distribution to a condominium and/or community environment, according to claim 12, wherein said return channel uses ~~the same~~ said distribution network coaxial cable ~~of distribution network (8) of the system~~.

21 (currently amended). A system for the distribution to a condominium and/or community environment, according to claim 12,

wherein the return channel used by onea user is ~~not~~ inaccessible to all other users of the system.

22 (previously presented). A system for the distribution to a condominium and/or community environment, according to claim 12, wherein said return-channel is radiofrequency irradiated.

23 (currently amended). A system for the distribution to a condominium and/or community environment, according to claim 1, wherein the selection, the modulation and the frequency conversion in a predetermined channel of the digital signal are obtained by means of a transmodulator ~~(13,20,29,41,42,43,44)~~.

24 (currently amended). A system for the distribution to a condominium and/or community environment, according to claim 1, ~~wherein comprising a user terminal (17) and an IRD receiver-decoder (18,40,51) are provided~~, which can be operated by a ~~same~~ single remote-control ~~(11)~~.

25 (currently amended). A system for the distribution to a condominium and/or community environment, according to claim 1, ~~wherein comprising two or more selection means (13,14,20) are contained in a sole transmodulator device (29)~~.

26 (currently amended). A system for the distribution to a condominium and/or community environment, according to claim 25, wherein said sole transmodulator device ~~(29)~~ comprises tuner means ~~(30,32,34)~~, which are ~~apt~~ adapted to perform the selection of ~~said~~ digital signals within at least two frequency ranges, and demodulation means ~~(31,33,35)~~, which are ~~apt~~ adapted to demodulate

at least two of said ~~digital~~ signals transmitted with different standards.

27 (currently amended). A system for the distribution to a condominium and/or community environment, according to claim 26, wherein said transmodulator device ~~(29)~~ includes at least two tuners ~~(30,32,34)~~ for the selection of digital signals, and at least two demodulators ~~(31,33,35)~~ of said digital signals.

28 (currently amended). A system for the distribution to a condominium and/or community environment, according to claim 26, wherein said transmodulator device ~~(29)~~ ~~also includes~~ comprises a commutator ~~(36)~~ ~~apt adapted~~ for receiving the ~~digital~~ signals ~~coming~~ from said demodulators ~~(31,33,35)~~.

29 (currently amended). A system for the distribution to a condominium and/or community environment, according to claim 28, wherein said transmodulator device ~~(29)~~ ~~also comprises~~ a modulator ~~(37)~~ for remodulating the output signal of the commutator ~~(36)~~.

30 (currently amended). A system for the distribution to a condominium and/or community environment, according to claim 29, wherein said transmodulator device ~~(29)~~ also includes a converter ~~(38)~~ for converting in the frequency of the output signal of said modulator ~~(37)~~ into a predetermined channel.

31 (currently amended). A system for the distribution to a condominium and/or community environment, according to claim 3, wherein said control means ~~(11,17,18,40)~~ are also ~~apt adapted~~ to generate one or more digital signals in transmission or upstream signals ~~(48)~~ and convert them in frequency into the personal

channel, and that second selection and handling means—(41,43)—are provided for said digital signals in transmission, and means (4,14') for the transmission of said upstream signals—(US)—from satellite and/or by cable.

32 (currently amended). A system for the distribution to a condominium and/or community environment, according to claim 31, wherein transmodulator means—(42,44)—and the second selection means (41,43) operate on the received downstream signals—(DS)—or on upstream signals—(US)—QAM modulated under SCPC procedure, respectively.

33 (currently amended). A system for the distribution to a condominium and/or community environment, according to claim 31, wherein said personal channel which can be accessed by said user only is used under FDMA procedure, ~~i.e. (original).~~ and the upstream signals—(US)—and downstream signals—(DS)—are simultaneously present in said personal channel.

34 (currently amended). A system for the distribution to a condominium and/or community environment, according to claim 33, wherein in said personal channel both the upstream signals—(US)—and the downstream signals—(DS)—occupy ~~not~~ nonoverlapping frequency bands.

35 (currently amended). A system for the distribution to a condominium and/or community environment, according to claim 31, wherein the personal channel is used under TDMA procedure, ~~i.e. (original).~~ and both the upstream signals—(US)—and ~~the~~ downstream

signals—(DS) are not simultaneously present in the personal channel.

36 (currently amended). A system for the distribution to a condominium and/or community environment, according to claim 32, wherein said selection means—(42,44) and said second selection and handling means—(41,43) are ~~comprised~~ disposed in a single container.

37 (currently amended). A system for the distribution to a condominium and/or community environment, according to claim 3, wherein the user control means—(11, 17, 18, 40, 51) comprises a receiver—(51) ~~apt~~ adapted to perform an access function to a plurality of conditioned access services, by reading the information contained in a smart card—(52), ~~and that wherein~~ said information contained in said smart card—(52) controls the means—(13, 14, 20) for frequency converting one or more of the received reserved ~~digital~~ signals in the personal channel.

38 (currently amended). A system for the distribution to a condominium and/or community environment, according to claim 37, wherein said information contained in the smart card—(52) ~~comprise~~ includes information for tuning the transmodulator means—(13, 14, 20, 29, 41, 42, 43, 44).

39 (currently amended). A system for the distribution to a condominium and/or community environment, according to claim 37, wherein said information contained in the smart card—(52) ~~comprise~~ includes information for the tuning of transponder preselection means—(12).

40 (currently amended). A system for the distribution to a condominium and/or community environment, according to claim 39, wherein the information for the tuning of the transponder preselection means ~~(12)~~ are include selection information ~~ef for~~ the bands of the channels to be tuned.

41 (currently amended). A system for the distribution to a condominium and/or community environment, according to claim 39, wherein information for the tuning of the transponder preselection means ~~(12)~~ are include information for determining the polarization of the channels to be tuned.

42 (currently amended). A system for the distribution to a condominium and/or community environment, according to claim 38, wherein said information contained in the smart card ~~(52)~~ comprise includes the frequencies information of the channels to be tuned.

43 (currently amended). A system for the distribution to a condominium and/or community environment, according to claim 37, wherein said information contained in the smart card ~~(52)~~ also comprise includes frequency information ~~ef for~~ said personal channel.

44 (currently amended). A system for the distribution to a condominium and/or community environment, according to claim 37, wherein the selection means ~~(12,13,14,20,29,41,42,43,44)~~ and the smart card ~~(52)~~ contain respective electronic keys, whose congruence enables the operation of said distribution system ~~ef for~~ a plurality of signals to a condominium and/or community environment.

45 (currently amended). A system for the distribution to a condominium and/or community environment, according to claim 37, wherein the control means ~~(51)~~ comprises a device means for writing data in a program memory of a microprocessor contained in the smart card ~~(52)~~.

46 (previously presented). A system for the distribution to a condominium and/or community environment, according to claim 45, wherein said program memory is an EEPROM type memory.

47 (currently amended). A system for the distribution to a condominium and/or community environment, according to claim 45, wherein the device means for writing data in a program memory of a microprocessor contained in the smart card ~~(52)~~ operates on data sent to the control means ~~(51)~~ by modem.

48 (currently amended). A system for the distribution to a condominium and/or community environment, according to claim 45, wherein said device for writing data in a program memory of a microprocessor contained in the smart card ~~(52)~~ operates on data sent to the control means ~~(51)~~ by means of the Service Information contained in the received digital signal.

49 (currently amended). A system for the distribution to a condominium and/or community environment, according to claim 1, wherein said means ~~(15, 16)~~ for allowing access to said personal channels ~~(61)~~ are apt adapted to prevent the passage of signals generated inside a further distribution network associated to a signal socket ~~(9)~~, ~~in particular being inside a dwelling or flat.~~

50 (currently amended). Method for the distribution to a condominium and/or community environment, of a plurality of analog and digitals signals ~~together with other information signals~~, at least some of the analog and digital signals being reserved to predetermined signal sockets in the environment, comprising the steps of:

- receiving said analog and digital signals;
- operating a frequency conversion of the received digital signals; and
- mixing said analog and digital signals on a distribution network ~~(8)~~ that distributes information contained in said analog and digital signals to the sockets ~~(9)~~

wherein in the step of frequency conversion of the received ~~reserved~~ digital signals, said received digital signals are demodulated, and then remodulated with a sole type of digital modulation, then mixed with ~~the other~~ information signals in a common signal on the distribution network, ~~from which are~~ is distributed to receivers fit to decode ~~such~~ said sole type of digital modulation.

51 (currently amended). Method for the distribution to a condominium and/or community environment, of a plurality of analog and digitale signals according to claim 50, wherein ~~such~~ said sole type of digital modulation is Quadrature Amplitude Modulation.